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# MULTIMEDIA UNIVERSITY

## FINAL EXAMINATION

TRIMESTER 2, 2019/2020

### MWP7313 – WEB PROGRAMMING

(All sections / Groups)

21 JANUARY 2020  
10.00 a.m. – 12.00 p.m.  
(2 Hours)

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#### INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 5 pages including cover page with 5 Questions only.
2. Answer **FOUR** out of **FIVE** questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please print all your answers in the answer Booklet provided.

**QUESTION 1**

Write a PHP code to capture names and ages of two people (i.e. two input boxes for each person) through an HTML form. The code for the form is shown below:

```
<form method="POST" action="process.php">
Name: <input type="text" name="name1">
Age: <input type="text" name="age1"><br>
Name: <input type="text" name="name2">
Age: <input type="text" name="age2"><br>
<input type="submit" value="SUBMIT">
</form>
```

Sketch the web page of html code above and label the form elements. [2 marks]

The inputs for name1 and age1 are "**Dania**" and "**15**" respectively, and the inputs for name2 and age2 are "**Daniel**" and "**12**" respectively.

For the action page (process.php), write php/html code to get values from the html form and display an output exactly like shown below when the inputs are keyed in as:

```
name1 = Dania
age1 = 15
name2 = Daniel
age2 = 12
```

[8 marks]

(Hint: `echo date("Y");` will display current year which is **2020**)

Output of process.php

Dania is 15 years old  
Daniel is 12 years old  
Dania is 3 years older than Daniel  
Daniel was born in 2008

[Total 10 marks]

Continued next page...

**QUESTION 2**

Write a PHP code (using a **for**-loop or other loops) to display numbers from 1 to 10, separated by commas (,) while fulfilling the conditions below:

[2 marks]

1. Skip and **do not display** these numbers: 5 and 9

[2 marks]

2. Display these numbers in **bold**: 2 and 8.

[2 marks]

Total up the sum of the numbers and display it on a next line.

[2 marks]

Calculate the average and display it on a next line.

[2 marks]

Your output should be identical to the following:

1, 2, 3, 4, 6, 7, 8, 10, Total Sum: 41 Average: 5.125
---

**[Total 10 marks]**

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**QUESTION 3**

Complete PHP code fragments in the boxes below. The output should be displaying:

ID	NAME	EMAIL
1234	Juniza	juniza@gmail.com
1235	Elham	elham@gmail.com
1236	Apu	apu@gmail.com

```
<?php
```

```
class Student{
    var $id;
    var $name;
    var $email;
```

```
    public function __construct($a, $b, $c){
```

```
        1.
        2.
        3.
```

[1 mark]

[1 mark]

[1 mark]

```
    }
```

```
    public function setName($a){
```

```
        4.
```

[1 mark]

```
    }
```

```
    public function getName(){
```

```
        5.
```

[1 mark]

```
    }
```

```
    public function printInfoInTableRow (){
```

```
        6.
```

[2 marks]

```
    }
```

```
}
```

```
$s1 = new Student("1236", "Apu", "apu@gmail.com");
```

```
$s2 = new Student("1235", "Elham", "elham@gmail.com");
```

```
$s3 = new Student("1234", "Juniza", "juniza@gmail.com");
```

```
echo "<table border=1>";
```

```
echo "<tr><td>ID</td><td>NAME</td><td>EMAIL</td></tr>";
```

```
7. echo ...
```

[1 mark]

```
8. echo ...
```

[1 mark]

```
9. echo ...
```

[1 mark]

```
echo "</table>";
```

```
?>
```

**[Total 10 marks]**

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**QUESTION 4**

- (a) Arrays of cars and their prices are defined below.

```
$cars = array("BMW", "Porsche", "Mercedes", "Ferrari");  
$prices = array(300000, 400000, 280000, 1000000);
```

1. Write a PHP statement to display "Porsche" using the **index** of array **\$cars**, and its price RM400000 using the **index** of array **\$prices**. [2 marks]
2. Write PHP statements to display all cars in **\$cars** array and their prices using any loop method. See sample output below:

BMW RM300000  
Porsche RM400000  
Mercedes RM280000  
Ferrari RM1000000

[4 marks]

3. Write a PHP function called **calculateTax()** accepting one parameter which is the price, and the function will return a tax value. The tax calculation is 10% from the price. Write a statement to display car "Mercedes", its price and the tax value for this car. See sample output below:

Mercedes RM280000 Tax: RM28000

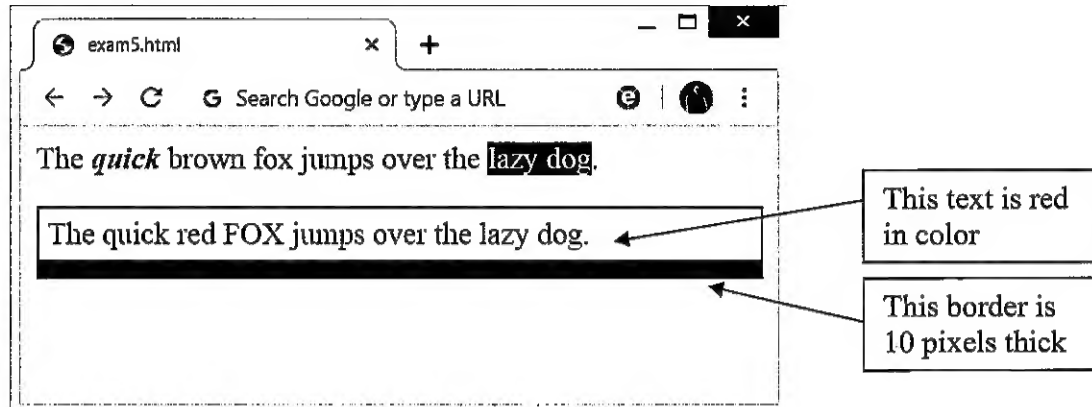
[4 marks]

**[Total 10 marks]**

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## QUESTION 5

A web page output styled using CSS is shown below:



Complete the CSS statements (in boxes) below:

```
<style>
.style1{
    font-weight: [1 mark]
    font-style: [1 mark]
}
.style2{
    background: [1 mark]
    color: [1 mark]
}
.style3{
    border-style: [1 mark]
    border-color: [1 mark]
    border-width: _px _px _px _px; [1 mark]
    padding: [1 mark]
    color: [1 mark]
}
.style4{
    text-transform: [1 mark]
}
</style>
```

The HTML code for the output above is given below:

```
<p>
The <span class="style1">quick </span>brown fox jumps over the
<span class="style2">lazy dog</span>.</p>
<p class="style3">
The quick red <span class="style4">fox</span> jumps over the lazy
dog.</p>
```

[Total 10 marks]

End of Page.